

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Total Metals By EPA Method 200.8

Client ID: M98701  
Date Received: 05/04/06  
Date Extracted: 05/05/06  
Date Analyzed: 05/05/06  
Matrix: Water  
Units: ug/L (ppb)

Client: Alaskan Copper Works  
Project: Metro Self Monitor, PO# M98701  
Lab ID: 605045-01 10x  
Data File: 605045-01 10x.031  
Instrument: ICPMS1  
Operator: btb

Internal Standard:	% Recovery:	Lower	Upper
Germanium	72	Limit:	Limit:
		60	125

Analyte:	Concentration ug/L (ppb)
Chromium	1,050
Nickel	1,560
Copper	1,350
Zinc	24.6

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Total Metals By EPA Method 200.8

Client ID: Method Blank  
Date Received: Not Applicable  
Date Extracted: 05/05/06  
Date Analyzed: 05/05/06  
Matrix: Water  
Units: ug/L (ppb)

Client: Alaskan Copper Works  
Project: Metro Self Monitor, PO# M98701  
Lab ID: I6-240 mb  
Data File: I6-240 mb.020  
Instrument: ICPMS1  
Operator: btb

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	96	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	<10
Nickel	<10
Copper	<10
Zinc	<10

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

Date of Report: 05/12/06

Date Received: 05/04/06

Project: Metro Self Monitor, PO# M98701, F&BI 605045

### QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR METALS BY EPA METHOD 200.8

Laboratory Code: 605034-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	ug/L (ppb)	9.15	9.19	0	0-20
Nickel	ug/L (ppb)	15.7	11.2	33 vo	0-20
Copper	ug/L (ppb)	14.9	13.5	10	0-20
Zinc	ug/L (ppb)	38.3	37.1	3	0-20

Laboratory Code: 605034-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	Acceptance Criteria
Chromium	ug/L (ppb)	20	9.15	108 b	50-150
Nickel	ug/L (ppb)	20	15.7	82 b	50-150
Copper	ug/L (ppb)	20	14.9	90 b	50-150
Zinc	ug/L (ppb)	50	38.3	97 b	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	Acceptance Criteria
Chromium	ug/L (ppb)	20	105	70-130
Nickel	ug/L (ppb)	20	102	70-130
Copper	ug/L (ppb)	20	104	70-130
Zinc	ug/L (ppb)	50	100	70-130

vo - The value reported fell outside the control limits established for this analyte.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.



605045

## SAMPLE CHAIN OF CUSTODY

ME 05/04/06

A14

Send Report To

Company

Address

City, State, ZIP

Phone #

Fax #

SAMPLERS (signature)

PROJECT NAME/NO.

PO #

REMARKS

Page # of

## TURNAROUND TIME

☐ Standard (2 Weeks)☒ RUSH

Rush charges authorized by:

## SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED										Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS					
1798701	01	5/4/06	12:30	1120	1											

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Fax (206) 283-5044

FORMS\COC\COC.DOC

## SIGNATURE

## PRINT NAME

## COMPANY

## DATE

## TIME

Relinquished by:

Received by:

Relinquished by:

Received by:

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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May 12, 2006

Gerry Thompson, Project Manager  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on May 4, 2006 from the Metro Self Monitor, PO# M98701, F&BI 605045 project. There are 3 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl  
Project Manager

Enclosures  
ACU0512R